

RECEIVED
DEC 20 1963

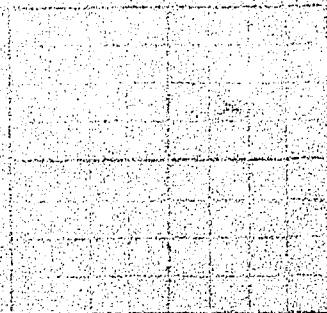
I certify that I received and filed this instrument on this 20th day of Dec., 1963, at 4:13 o'clock P.M.

F. S. Moore
COUNTY RECORDER

By _____ DEPUTY

OFFICE OF THE COUNTY RECORDER
COUNTY OF LOS ANGELES
RECEIVED
DEC 20 1963

DEC 20 1963
RECEIVED
COUNTY RECORDER



RECEIVED
DEC 20 1963

RECEIVED
DEC 20 1963

File No. 2087

T 6N R 20W

DUPLICATE

Ravalli County

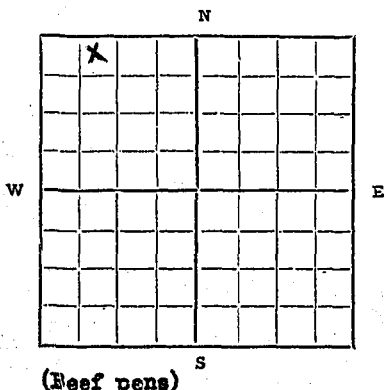
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 26 1963
STATE ENGINEER

1. Bitter Root Stock Farm, Inc. of Box 271, Hamilton, Montana
(Name of Appropriator) (Address) (Town)

County of Ravalli, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 28 T. 6N. R. 20W.
Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based livestock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been October 1958
continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50-60 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater October 1958
8. The depth of water table 35 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 66 feet - 6" casing
10. The estimated amount of groundwater withdrawn each year 800,000 to 1,000,000 gallons
11. The log of formations encountered in the drilling of each well if available None available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None available

Bitter Root Stock Farm, Inc.

Signature of Owner Manager
Date 12-16-1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

12571

SECRET

File No.
DUPLICATE

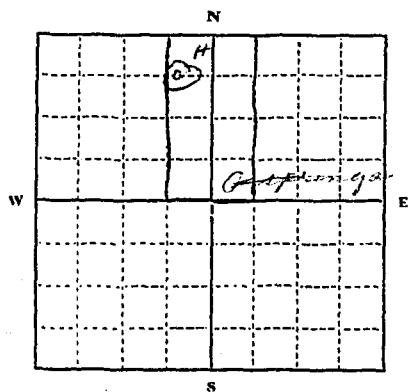
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 6 R. 20 S. 28
County Paradise
JAN 17 1963
ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Charles R. Clark, of RT 2 Box 219 Hamilton
(Name of Appropriator) (Address) (Town)
County of Paradise State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 28 T. 6 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- The beneficial use on which the claim is based HOUSE WATER GARDEN, STOCK WATER IN CORRAL
- Date or approximate date of earliest beneficial use; and how continuous the use has been CONTINUOUS FOR HOUSE SPRING & SUMMER FOR GARDEN WELL USED IN PAST FOR STOCK WATER IN CORRAL ALL YEAR
- The amount of groundwater claimed (in miner's inches or gallons per minute) 75 GALLONS PER MINUTE
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ELECT PUMP LOCATED UNDER HOUSE

- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater WELL WAS CONSTRUCTED & COMPLETED AT TIME OF CONSTRUCTION OF HOUSE IN 1947
- The depth of water table APPROX 35 FT
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater ELECT PUMP 2" 35' DEEP
- The estimated amount of groundwater withdrawn each year 50,000 GALLONS
- The log of formations encountered in the drilling of each well if available P
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record TRX RECORD ON GRID PROPERTY IN BOOK 1 PAGE 91 LINE 9

Signature of Owner Charles R. Clark
Date 12-29-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

37615

4051

I certify that I received and filed this
instrument on this 31st
day of Dec., 1963, at 3:40
o'clock P. M.
F. B. Moore
COUNTY RECORDER
By Shirley Keith
DEPUTY

File No.

T. 6 N. R. 20

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County

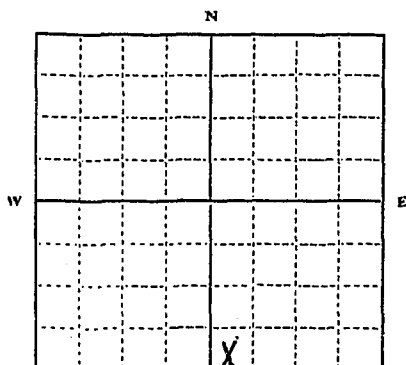
RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Roy Wall and Lucy J. Wall, of Route #2, Hamilton
(Name of Appropriator) (Address) (Town)

County of Ravalli State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based.....
domestic, irrigation and other beneficial purposes
3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been..... 1952; continuous since 1952.
4. The amount of groundwater claimed (in miner's inches or gallons
per minute)..... Sufficient to irrigate the N $\frac{1}{2}$ of the
herein below described property.
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
N $\frac{1}{2}$ of E 20 rds SESW, SWSE, 28, 6, 20 and E 20 rds NENE,
NWNE, 33, 6, 20, Ravalli County-Roy Wall and Lucy J.
Wall
6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal..... Electric pump
and pipe, located 600' Westarly and 100' Southerly
from the NE corner of the above described property.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater..... April, 1952
8. The depth of water table..... 4 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater..... Drilled well 50' deep, 4" casing, 2" pipe
10. The estimated amount of groundwater withdrawn each year..... Unknown
11. The log of formations encountered in the drilling of each well if available..... Clay loam, sand and gravel,
clay, sand at bottom of well - all formations of about equal depth
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record..... None

Signature of Owner.....

Date..... December 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

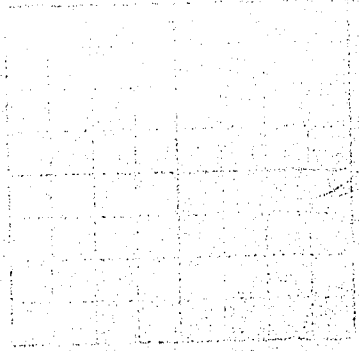
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of
Mines and Geology, and Quadruplicate for the Appropriator.

2798

2390

I certify that I received and filed this
instrument on this 30th
day of Dec. 1963, at 10:15
o'clock 2 M.
J. G. Moore
COUNTY RECORDER
By Shirley Keith
DEPUTY



RECORDED
INDEXED
FEB 1 1964

47405

I certify that I received and filed this instrument on this 25th day of Aug, 1920, at 3:25 o'clock P.M.

J. S. Moore
CLERK
COUNTY RECORDER

Fee 2.00
BY DEPUTY

File No. 1647

T 6N. R 20W

30

DUPLICATE

Ravalli County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 10 1962

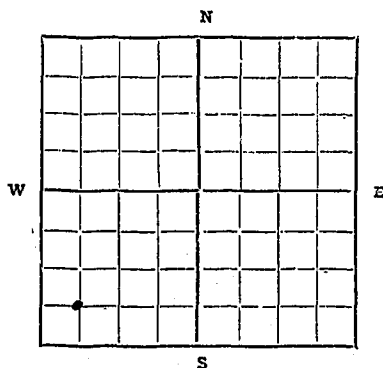
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. George B. Taylor of Hamilton Mont
(Name of Appropriator) (Address) (Town)

County of Ravalli, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 30 T. 6 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based house + irrigation yard + small garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 19 - 1962
4. The amount of groundwater claimed (in miner's inches or gallons per minute) _____
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof just the yard and small garden
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Shallow well pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 19 - 1962
8. The depth of water table 20 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater two inch pipe, 20 ft deep
10. The estimated amount of groundwater withdrawn each year very little
11. The log of formations encountered in the drilling of each well if available fracture
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record _____

Signature of Owner

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

2070

#1647

RECEIVED
COUNTY CLERK
SEP 10 1962

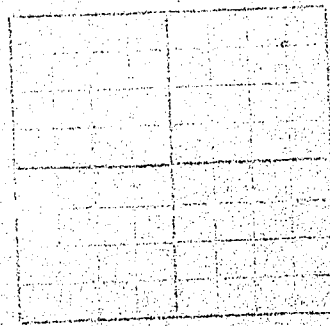
I certify that I received and filed this
instrument on the 7th
day of Sept. 19 62 at 11:30
o'clock A. M.

Anthony Hork
COUNTY RECORDER

By Shirley Keith Deputy

OFFICE OF STATE ENGINEER
BUREAU OF CONSTRUCTION CODES
STATE OF IOWA

RECEIVED



SECTION 16, TOWNSHIP 36N, RANGE 10E, S4E
COUNTY OF IOWA
DEED BOOK 10, PAGE 350

SECTION 16, TOWNSHIP 36N, RANGE 10E, S4E
COUNTY OF IOWA
DEED BOOK 10, PAGE 350

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DEED BOOK 10, PAGE 350

SECTION 16, TOWNSHIP 36N, RANGE 10E, S4E
COUNTY OF IOWA
DEED BOOK 10, PAGE 350

File No.

T. 6 N R 20 W 30

DUPLICATE

County

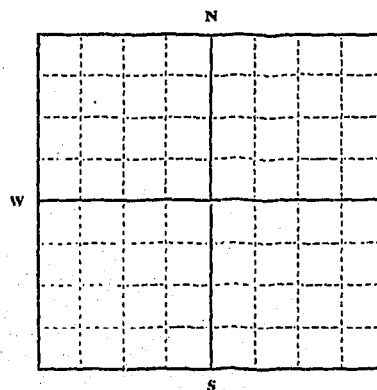
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 17 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. DALTON and Elsie May Tessier, of 100 1/2 MARCUS MONTAIGN
(Name of Appropriator) (Address) (Town)
County of RAVALLI State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 30 T. 6 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

In Lot 2

2. The beneficial use on which the claim is based household and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1946

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gal per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 2.46 ac. & pump

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1946

8. The depth of water table 10-25 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled well - 4" pipe - 35 ft.

10. The estimated amount of groundwater withdrawn each year irrigation - 150,000 gal. per year household - 109,500 " "

11. The log of formations encountered in the drilling of each well if available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Dalton Tessier
Elsie May Tessier

Date Jan 3 - 64

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

37818

4255

I certify that I received and filed this
instrument on this 3rd
day of Jan, 1964 at 10:57
o'clock A M.

F. G. Moore

COUNTY RECORDER

By Shirley Keith
DEPT.

File No. 1713

T L R 20 30

DUPLICATE

Ravalli County

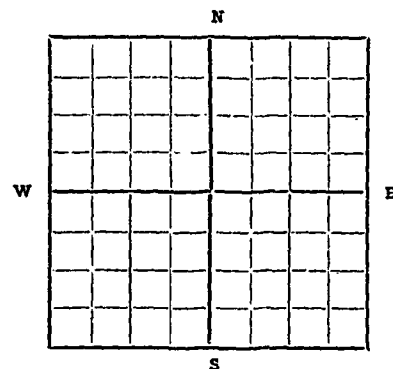
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
APR 1 1963
STATE ENGINEER

1. H. S. THANE DEPT. VALLEY WATER CO. HAMILTON, MONT.
(Name of Appropriator) (Address) (Town)

County of Ravalli, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



IN LOT 2 SEC 30 T 6 N R 20 W

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based
DOMESTIC SUPPLY, WATER UTILITY

3. Date or approximate date of earliest beneficial use; and how
continuous the use has been
12/26/34
CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gal-
lons per minute) 1000 GALLONS PER MINUTE

5. If used for irrigation, give the acreage and description of the
lands to which water has been applied and name of the owner
thereof NOT APPLICABLE

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal
PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater 12/26/34

8. The depth of water table 20

9. So far as it may be available, the type, size and depth of each well or the general specifications of any
other works for the withdrawal of groundwater 10" CASING 66 FT.

10. The estimated amount of groundwater withdrawn each year NOT AVAILABLE

11. The log of formations encountered in the drilling of each well if available
NOT AVAILABLE

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, includ-
ing reference to book and page of any county record

H. S. THANE

Signature of Owner H. S. Thane

Date 3/20/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is lo-
cated.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines
and Quadruplicate for the Appropriator.

4073

I certify that I received and paid the
instrument on this 28th
day of March, 19 63, at 8:20
o'clock A M.

F. D. Moore
COUNTY RECORDER

By _____ DEPUTY

File No.

T. 6 R. 20W

DUPLICATE

County Havallia

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

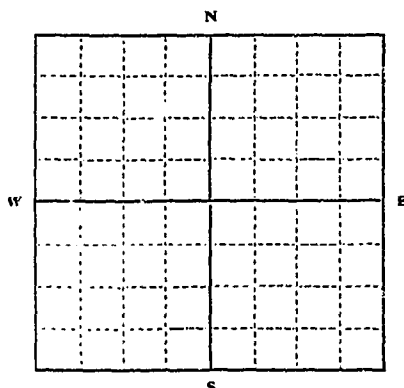
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

JAN 17 1964

STATE ENGINEER

1. Sadie Summers, of 110 Daly Ave., Hamilton
(Name of Appropriator) (Address) (Town)
County of Havallia State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SW 1/4 Sec. 30 T. 6 R. 20W

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based.....
household & irrigating yard & garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. October 1959, continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gal. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
1 lot on east side of Daly Avenue
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
October 1959
8. The depth of water table.....
10 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
depth 37 feet, 4 inch casing
10. The estimated amount of groundwater withdrawn each year.....
100,000 gal.
11. The log of formations encountered in the drilling of each well if available.....
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner Sadie SummersDate December 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

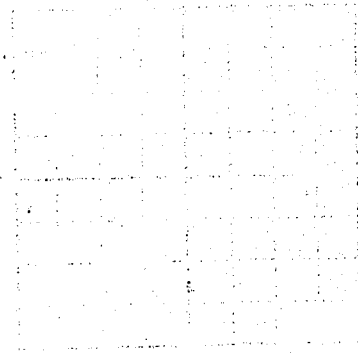
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of
Mines and Geology, and Quadruplicate for the Appropriator.

37853

#4290

I certify that I received and filed this
Instrument on this 7th
day of Nov., 1964 at 4:47
o'clock P.M.
F. Y. Moore
COUNTY RECORDER
By Shirley Keith
DEPUTY



RECEIVED
NOV 10 1964
COUNTY CLERK

RECORDED

52, 128

#5780

I certify that I received and filed this
instrument on this 29th
day of Dec, 1972, at 9:35
o'clock A.M.

F. G. Moore
COUNTY RECORDER

By D. L. E. Hughes
DEPUTY

2.00

File No. _____

STATE WATER CONSERVATION BOARD

T. 6N R. 20W

DUPLICATE

JUN 13 1966

County Ravalli

LOG

Billie _____ McDermott _____
 Butler _____ McNamee _____
 Coyle _____ Morion _____
 Darlington _____ Sullivan _____
 Dickert _____

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 3640')

Formations Log:

0 - 8 Pit.
 8 - 28 Yellow clay.
 28 - 45 Yellow sand.
 45 - 52 Sandy clay. Seeps
 of water.
 52 - 63 Yellow clay.
 63 - 69 Tan sandy
 clay. Seeps
 of water.
 69 - 78 Blue clay.
 78 - 81 Sandy blue
 clay. Seeps
 of water.
 81 - 86 Sand & gravel.
 Water.
 86 - 87 Brown clay.

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Marilyn &/or
Harold B. Mildenberg Address Hamilton, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 5/11/66 Date completed 5/13/66

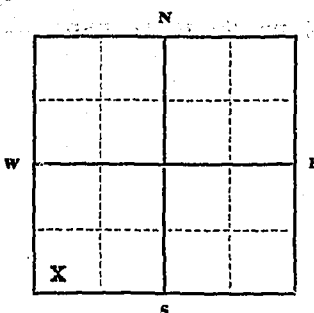
Type of well Drilled Equipment used Cable Tools
 (Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒
 Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4	-8	87	N	O	N E

Water rises in the well
 34 feet from surface.



Static Water Level for non-flowing well
34 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 50 feet
 at 60 gal. per minute.

Discharge in gal. per min. of flowing well
Non-flowing

How Tested Air Lift Pump

Length of Test Three hours

Remarks: (Gravel packing, cementing, pack-
 ers, type of shutoff) All water enter-
ing well is coming through
the open bottom of six inch
casing. Wells with open
bottom completions in this

SW/4SW/4Sec. 19 &
 NE 1/4 NE Sec 30 T. 6N R. 20W
 Indicate location of well and
 place of use, if possible. Each
 small square represents 40
 acres.

area can be depended upon to produce clear sand
free water year after year as long as they are
not overpumped, i.e., they
 (Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state
 number of acres and location or other data (i.e.: Lot, Block and Addi-
 tion).

Show exact depth of bottom.

Bottom of hole 87'

This form to be prepared by driller, and three copies to be filed by the owner with the
 County Clerk and Recorder in the county in which the well is located, tissue copy to be
 retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be
 returned.

52
 Driller's License Number

Driller's Signature

41133

24 2004 2004 7-25700
1-2004 1-2004 1-2004 1-2004

Received and filed this
9th, 1966, at 11:55.

#4843

I certify that I received and filed this
Instrument on this 9th,
day of June, 1966, at 11:55
o'clock A.M.

o'clock A.M. F. S. Moore COUNTY RECORDER

By _____ Fee \$2.00 _____ DEPUTY

DEPARTMENT OF THE ARMY
 HEADQUARTERS, ARMY MEDICAL DEPARTMENT
 WASHINGTON, D. C. 20315
 FORM 100-10 (Rev. 1-1-60)
 1. NAME (Last, first, middle initial)
 2. GRADE OR RATE
 3. ORGANIZATION
 4. ADDRESS
 5. CITY
 6. STATE
 7. ZIP CODE
 8. PHONE NUMBER
 9. MAILING ADDRESS
 10. CITY
 11. STATE
 12. ZIP CODE
 13. PHONE NUMBER
 14. SIGNATURE
 15. DATE

File No. 1957

T 6 N 20 R 20

DUPLICATE

Ravalli County

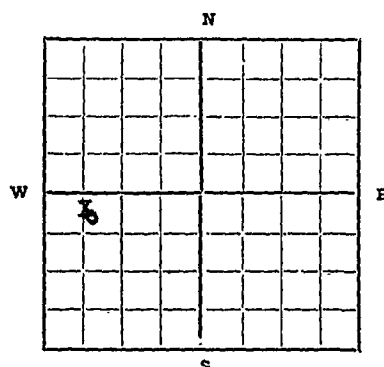
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 16 1963

Declaration of Vested Groundwater Rights STATE ENGINEER
(Under Chapter 237, Montana Session Laws, 1961)

1. Pershing J. & Donna M. Menager of 110 Daly Hamilton, Montana
(Name of Appropriator) (Address) (Town)

County of Ravalli, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW 1/4 Sec 30 T 6 N R 20 W

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Household consumption and maintenance of premises, domestic use consumption, drinking purposes
3. Date or approximate date of earliest beneficial use; and how continuous the use has been February 2, 1961 and continuous daily use ever since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof approximately one third acre, on Lot 16 and north 33 feet of Lot 17 of Block 2, Tammany Addition Ravalli County, Montana
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 4-inch welded casing, piped from the well located about 8 ft. from the foundation on the southeast side to a centrifugal pump under the dwelling.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Dated started November 14th 1960, dated completed November 15, 1960
8. The depth of water table 38 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4-inch welded casing, from the 2 ft level to the 40 ft level, piped to a pipe and pressure tank 3 ft. under the adjacent dwelling Static Water level, for non-flowing well, when measured in January 1960 was 12 to 13 ft.
10. The estimated amount of groundwater withdrawn each year 900,000 gallons
11. The log of formations encountered in the drilling of each well if available
From 0 to 2 Ft. Pit 30 to 36 Ft. fine sand and water
2 to 15 Ft. gravel and boulders 36 to 38 Ft. Hard pan and no water
15 to 30 Ft. fine sand 38 to 40 Ft. Course gravel and water
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Abstract Of Title No. 16472, Well located on Lot 16 and north 33 feet of Lot 17 of Block 2, Tammany Addition Ravalli County Montana

Signature of Owner Pershing J. Menager

Date 1-2-13-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

o'clock 1 ^P.M. F. Y. Moore
COUNTY RECORDER

Free 2.00

RECEIVED

MEMPHIS

RECEIVED

County: Beaumont

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Montana Water Resources Board
Address Hammon, Montana
Date well started May 5-73
completed May 9-73

For Administrator's Use
File 5911
MAY 21, 1973
GW.1 11:45 p.m.

Type of well Drilled
(Dug, driven, bored or drilled)

Equipment used Cable Tool
(Churn drill, rotary or other)

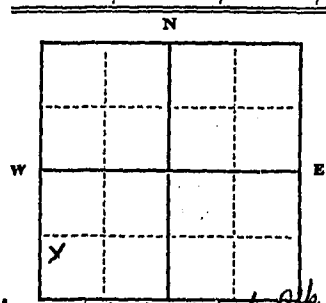
Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☒ Garden/Lawn ☐

*Describe Cafe, Beauty shop and lawn

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

X ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
8 inch	8 inch 27 1/2 wall New Steel	0	58	Kind Size	From (Feet)	To (Feet)
				NA		



Static water level 21 ft.*
Pumping water level 31 ft.*
at 50 gallons per minute,
measured 10 minutes after pumping
began.
*Measured from ground level.
Well developed by pump
for 30 hours.
Power elect Pump 1 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) NA

560' of W s 130' of R 29
SW 1/4 Sec. 30
T. 6 N. R. 2 W.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature L. J. Jackson

Driller's Address 509 N. 7th St
Hammon, Mont LICENSE NO. 194

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	2	fill Sand gravel
2	3	Black dirt
3	18	Rock Sand gravel
18	23	Clay bound Sand
23	37	gravel
37	41	Clay bound Sand
41	50	pea gravel with Rock
50	58	gravel with slight Clay

58 ft 2 1/2 inches Show exact depth of bottom

5911

I certify that I received and filed this

Instrument on this 21st

day of May 19 73 at 4:45

o'clock PM

Charles C. Hayke
County Recorder

By Mar 2000

2000

RECORDED TO BOOK

OF EMINENT VA. HONORABLE

RECORDS

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T.....R.....

County.....Ravalli.....

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED
STATE ENGINEER

		X

Owner.....Glenn E. Mathias, M. D......Address Rt. #2 - Box 209C - Hamilton

Mont.

Driller.....Norman Ray.....Address Rt. #2 - Box 209C - Hamilton

Mont.

Date Started.....10/9/59.....Date Completed.....9/19/59

Location: Sec. 30 T. 6 R 20 1/4 sec. SE 1/4 NE 1/4

Type of well.....drilled.....Equipment used.....churn drill
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other:.....

Casing.....180 ft. to.....ft. Type.....steel Size.....6"

Casing.....ft. to.....ft. Type..... Size.....

Casing.....ft. to.....ft. Type..... Size.....

Perforated or Screened: Ft. neither to ft. Ft. to ft.

Type of screen or perforations.....

Static Water level, for non-flowing well: 100 feet.

Shut-in pressure, for flowing well: non-flowing lb./sq. in. on: (date)

Pumping water level.....100 feet at.....5,000 gal. per 44 hour

How tested:.....with compressor.....

Length of test.....about 4 hrs.....

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

gravel pack

(over)

T. G. N. R. 20th

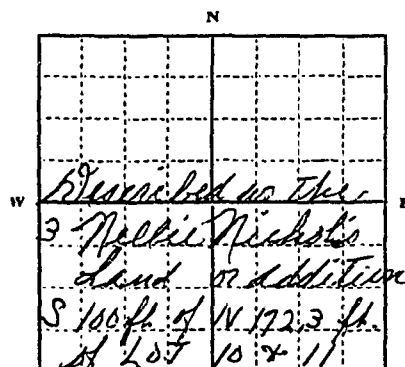
County Ravalli

RECEIVED
JAN 8 1964

Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

County of Kawalli State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



..... $\frac{1}{4}$ Sec 30 T ~~34~~ R 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based domestic use
also lawn & garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. purchased this place in
1933 & have lived here & used the water
most of the time. was used by other parties
20 yrs. or more before then -
4. The amount of groundwater claimed (in miner's inches or gallons per minute) (10) ten miners in.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
This tract is less than an acre but
is all cultivated, raspberries -
Garden & lawn.
Former owners were Marie Mathews & Collins
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal drilled well
40 ft. deep, 4 in. casing electric
pump.
7. Location of the construction of the well, wells, or other works for withdrawal of water on the property
8. 2 marks or wells at present time.
9. 30 ft., plenty of water, Never gets low
10. Location, size and depth of each well or the general specifications of any other well or other means of withdrawal
just the one well, 40 ft. deep
casing
11. Quantity of water withdrawn each year about 20,000 gal. or more
12. The cost of the drilling of each well if available don't know this
13. at 3 ft. deep, then several ft. of sand
at which contains the water.
14. Any other facts or information which may be useful in carrying out the policy of this act, including a true and correct copy of any record
Book 2, page 193, Line 7

Signature of Owner: E. P. Marchessault

Date Dec., 28, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

27222

#2414

I certify that I received and filed this
instrument on this 30th
of Dec., 1963 at 10:39
A.M.

F. H. Moore
COUNTY RECORDER

By Shirley Keith
Deputy

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STATE WATER CONSERVATION BOARD

File No. _____

T 6^W R 20^W 30

DUPLICATE

Bills _____
 Butler _____
 Coyle _____
 Daylinton _____
 Dickert _____

McDermott _____
 McNulty _____
 McPherson _____
 Sullivan _____

Ravalli County

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

**Notice of Completion of Groundwater
 Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Owner Carl J. Sundberg Address Hamilton Mont.Driller Bill Anderson Address Hamilton Mont.

Date of Notice of Appropriation of Groundwater _____

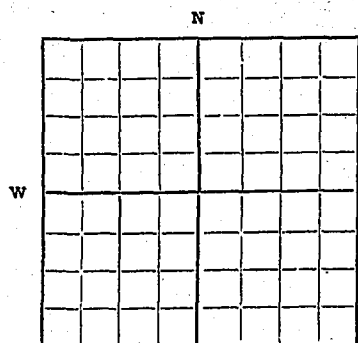
Date well started Aug 4, 65 Date Completed Aug 5, 65

Type of well drill Equipment Used Churn drill
 (dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic (X) Municipal () Stock () Irrigation ()
 Industrial () Drainage () Other ()

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 in	4 5 in	0	38	-	-	-



Lat 9 Bl. 2 S Daly Acres
 1/4 Sec 30 T. 6 R. 20

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom

Static Water Level for non-flowing Well 4 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 5 feet at 15 gal. per minute.Discharge in gal., per min. of flowing well 31 gal per minHow Tested pump Length of Test 12 in

Remarks: (Gravel packing, cementing, packers, type of shutoff, Location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

33
 Driller's License Number

Bill Anderson
 Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines, and Quadruplicate for the Appropriator.

39995

4643

I certify that I received and filed this
instrument on this 9th
day of Dec., 1965, at 1:35
o'clock P.M.

By F. S. Moore
COUNTY RECORDER
Fee \$2.00
DEPUTY

OFFICE OF THE COUNTY RECORDER
ADMINISTRATIVE OFFICE
SOUTH OF HONOLULU

Major portion of area and height to adjacent property lines in the right
of way shown hereby in which water is conveyed, the property of the
state and with its facilities, such as set back, shall be subject to
the jurisdiction of the Department of Public Works and the Department of
Public Safety.

Intervenor () Disputed () Other ()

Water User () Mortgage (X) Other ()

Other ()

Other ()

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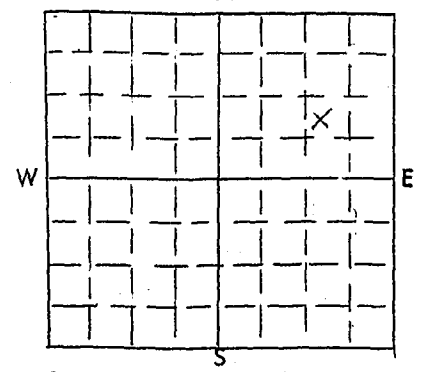
T. 6 N. R. 2 E. 30

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County RAVALLI
JAN 17 1964

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. GLENN E. MATHIAS, of St. #2 - Box 208 C HAMILTON
(Name of Appropriator) (Address) (Town)
County of RAVALLI State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4, Sec. 30, T. 6, R. 2, E.
Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based.....
 Domestic & Irrigation.....
3. Date or approximate date of earliest beneficial use; and how
 continuous the use has been.....
 October 19, 1959 continuous use.....
4. The amount of groundwater claimed (in miner's inches or gallons
 per minute).....
 use of all water from well.....
 833 gal. per minute.....
5. If used for irrigation, give the acreage and description of the lands
 to which water has been applied and name of the owner thereof

 9/10 of an acre.....
6. The means of withdrawing such water from the ground and the loca-
 tion of each well or other means of withdrawal.....

 pump.....
7. The date of commencement and completion of the construction of the well, wells, or other works for
 withdrawal of groundwater.....

 October 19, 1959.....
8. The depth of water table.....

 100 ft......
9. So far as it may be available, the type, size and depth of each well or the general specifications of
 any other works for the withdrawal of groundwater.....

 180 ft depth, steel casing 6 in......
10. The estimated amount of groundwater withdrawn each year.....

 10,000,000.....
11. The log of formations encountered in the drilling of each well if available.....

 not available.....
12. Such other information of a similar nature as may be useful in carrying out the policy of this act,
 including reference to book and page of any county record.....

 County Clerk & Recorder.....

Signature of Owner Glenn E. Mathias
Date December 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well
is located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana
Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

4072

I certify that I received and filed this
instrument on this 31st
day of Dec., 1963, at 4:01
o'clock P. M.

F. H. Moore

COUNTY RECORDER

By Shirley Keith
DEPUTY

File No.

T. 6 N. R. 20 W.

DUPLICATE

County. Ravalli

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

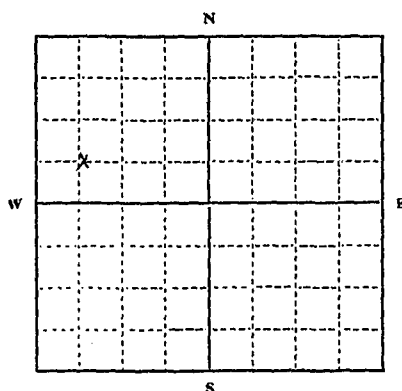
RECEIVED
JAN 28 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Margaret Laws, of 207 Flower St. Hamilton
(Name of Appropriator) (Address) (Town)
County of Ravalli State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 1/4 Sec. 30 T. 6 R. 20 W.

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based household, irrigation - lawn and garden.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. July 1, 1946
continuous.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 1 miner's inch.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 1 acre in lot 2 of Sec. 30
Township 6 North, Range 20 West
M.P.M.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. spring located inside
the house.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. During May 1946. I do not
remember the exact dates.
8. The depth of water table. 10 to 18 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 1 driven well
28 feet deep.
10. The estimated amount of groundwater withdrawn each year. 55,000 miner's inches.
11. The log of formations encountered in the drilling of each well if available. gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Volume 94 Deeds, page 360

Signature of Owner.....

Date.....

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of
Mines and Geology, and Quadruplicate for the Appropriator.

34184

I certify that I received and filed this instrument on this 27th day of Jan 1964 at 8:2 o'clock A.M.

F. B. Moore
COUNTY RECORDER

By DEPUTY

10/10/1914

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STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

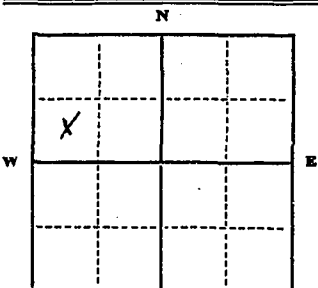
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Es Ralph Laws
Address HAMILTON
MONTANA
Date well started April 21, 1973
completed April 28, 1973
Type of well Drilled
(Dug, driven, bored or drilled)
Equipment used Cable Tool
(Churn drill, rotary or other)
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*Describe _____
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). _____

* ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
<u>6 inch</u>	<u>.250 wall New Steel</u>	<u>0</u>	<u>37</u>	Kind Size	From (Feet)	To (Feet)
				<u>NA</u>		



Div. Lot 2
S. N. 1/4 N. W. 1/4 Sec. 30
T. 6 N. R. 20 E
S W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature L. J. Jacobsen
Driller's Address 509 N. 17th St
HAMILTON, MONTANA LICENSE NO. 194

RECEIVED Bozalt County

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground X (Elev. above sea level)

From (Feet)	To (Feet)	
<u>0</u>	<u>18</u>	<u>ROCK, Sand, gravel</u> <u>Some Clay</u>
<u>18</u>	<u>21</u>	<u>Clay bound Sand</u>
<u>21</u>	<u>25</u>	<u>Sand</u>
<u>25</u>	<u>27</u>	<u>Clay bound Sand</u>
<u>27</u>	<u>31</u>	<u>Sand and gravel</u>
<u>31</u>	<u>37</u>	<u>gravel</u>

37 ft 7.14 ft Show exact depth of bottom

6900

70

THE UNIVERSITY OF CHICAGO

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1002 6000, 1977, 1978

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I certify that I received and filed this instrument on this 11th day of May 1973 at 3:00

6 Clock
Dorlene E Hughes
COUNTY RECORDER

COUNTY RECORDER

Hee J. Od

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THE UNIVERSITY OF CHICAGO

1. *Introduction*

2. *Background*

3. *Methods*

4. *Results*

5. *Discussion*

6. *Conclusion*

7. *References*

8. *Appendix*

9. *Supplementary material*

10. *Tables*

11. *Figures*

12. *Tables*

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1. 1990年12月15日，在北京市召开的“中国环境与发展”会议上，江泽民总书记发表了重要讲话，指出：“中国的环境问题，已经到了非解决不可的时候了。我们不能再走发达国家走过的老路了。我们必须在经济发展的同时，把环境保护放在突出的位置。我们决不允许以牺牲环境为代价来换取一时的经济增长。我们决不允许污染严重的企业继续生产。我们决不允许污染严重的企业继续生产。我们决不允许污染严重的企业继续生产。”

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File No. JAN 5 1965T. 6N R. 20W of MMCounty Ravalli

DUPLICATE

By Vermon S. Langley
 State of MONTANA
 County of Ravalli
 District of Salween
 Date of 1965

ADMINISTRATOR OF GROUNDWATER CODE

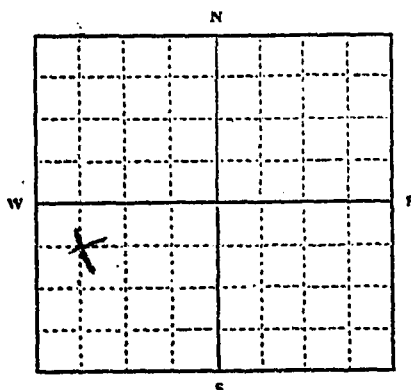
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Vermon S. Langley, of 129 Marcus St., Hamilton
 (Name of Appropriator) (Address) (Town)

County of Ravalli State of Montana
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 30 T. 6N R. 20W
 Indicate point of appropriation
 and place of use, if possible. Each
 small square represents 10 acres.

2. The beneficial use on which the claim is based
Domestic

3. Date or approximate date of earliest beneficial use; and how continu-
 ous the use has been. October 13, 1958
Continuously

4. The amount of groundwater claimed (in miner's inches or gallons
 per minute) 600 Gallons per minute

5. If used for irrigation, give the acreage and description of the lands
 to which water has been applied and name of the owner thereof
Yard 50 by 90 feet

6. The means of withdrawing such water from the ground and the loca-
 tion of each well or other means of withdrawal
1/2 horse pump

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
 drawal of groundwater. October 9, finished October 11, 1958

8. The depth of water table. 50 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
 works for the withdrawal of groundwater. Drilled well Four inch casing
Depth of well is fifty feet

10. The estimated amount of groundwater withdrawn each year. 50,000

11. The log of formations encountered in the drilling of each well if available.
No log

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
 reference to book and page of any county record.

Signature of Owner. Vermon S. Langley

Date. 12-31-1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of
 Mines and Geology, and Quadruplicate for the Appropriator.

46612 p

4763

I certify that I received and filed this

instrument on this 31
day of Dec. 1965 at 1:04
o'clock P.M.

F. H. Moore
COUNTY RECORDER

By Lee S. Co
DEPUTY

G1

File No. 1963

T ⁶ N R 20

DUPLICATE

Ravalli County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

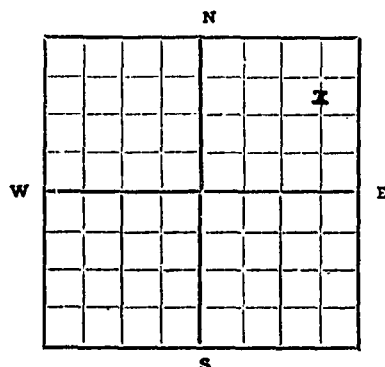
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 18 1963
STATE ENGINEER

Harriet S. Lagerquist and

1. Edward T. Oertli & Louise Oertli, of Hamilton Montana
(Name of Appropriator) S (Address) (Town)

County of Ravalli, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



In NE 1/4 NE 1/4 Sec 30 T. 6 R. 20

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Household use and irrigation purposes
3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1954 - continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute, approximate
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owners thereof 2.2 acres in NE 1/4 NE 1/4 Sec. 30, Twp. 6 N., Range 20 West, M.P.M., more specifically referred to as Indexes 81 & 84. Harriet S. Lagerquist & Edward T. & Louise Oertli
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Deming Submersible Water System - one well.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 1954
8. The depth of water table 110 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Type - drilled; Size - six inch casing; Depth - 125 feet.
10. The estimated amount of groundwater withdrawn each year Unknown amount - used for household and irrigation purposes for two residences.
11. The log of formations encountered in the drilling of each well if available Not available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None.

Signature of Owner

*Harriet S. Lagerquist
Edward T. Oertli
Louise Oertli*

Date December 16, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

9853

I certify that I received and filed this
instrument on this 16th
day of Dec., 1963, at 9:40
o'clock A. M.

L. S. Moore
COUNTY RECORDER
By _____
DEPUTY

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T. 6 N R. 20 W 30

DUPLICATE

County avall

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

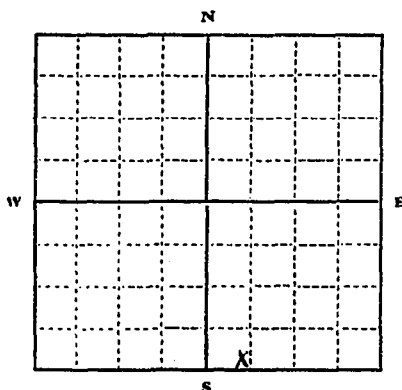
RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. Paul G. or Mabel Lucille Kurtz, of Rt. 2 Box 381 Hamilton
(Name of Appropriator) (Address) (Town)

County of avall State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 30 T. 6 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Household, Milkhouse, drinking water for dairy cattle all winter and irrigating in the summer.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1922 and continuously.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof For house lawns, garden one to the So. of house one to the No. West about half acre. Lawn in front and back of house.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump and the well is 2' outside of the house to the East.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1923 And cover added from time to time

8. The depth of water table 58 1/2 feet deep.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled, cased in 4" pipe then drawn in another pipe.

10. The estimated amount of groundwater withdrawn each year 70,000,000 gallons.

11. The log of formations encountered in the drilling of each well if available dirt, sand, gravel, and hardpan.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Paul G. Kurtz

Date Dec. 28, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

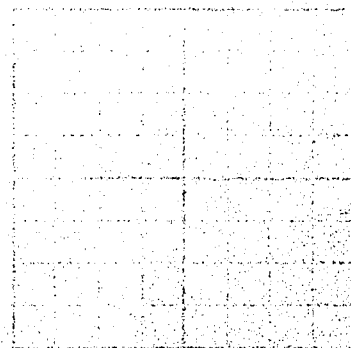
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

27367

#2559

I certify that I received and filed this
instrument on 30th
day of Dec. at 2:06
o'clock P.
7 9 Moore
COUNTY RECORDER
By Shirley Keith
DEPUTY



RECORDED TO ORDER OF THE
COUNTY CLERK

File No. _____

DUPLICATE

T. 6 R. 20County Ravalli

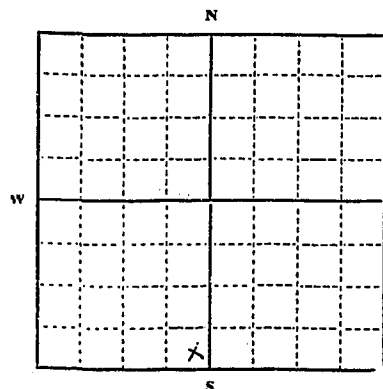
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Paul G. or Mabel Lucile Kurtz, of Box 381 Hamilton
(Name of Appropriator) (Address) (Town)
County of Ravalli State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 30 T. 6 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
Household, lawn, garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
1946
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
50 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
One half acre Paul G. or Mabel Lucile Kurtz
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Drilled well, electric pump, well is two outside of house
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
in spring of 1946
8. The depth of water table.
30 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
Drilled, cased in 4" pipe then drawnd in another pipe
10. The estimated amount of groundwater withdrawn each year.
305,000 gallons
11. The log of formations encountered in the drilling of each well if available.
dirt, sand, gravel, hard pan.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Paul G. Kurtz
Mabel K. Kurtz
Date Dec. 28, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

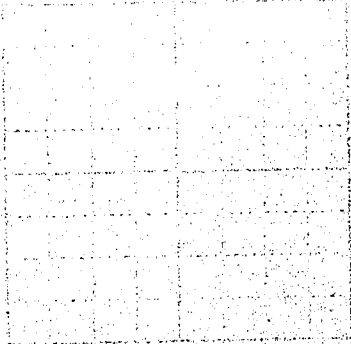
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

2236

#2558

I certify that I received and filed this
instrument this 30th
day of Dec, 1963, at 2:05
o'clock P. M.
F. G. Moore
COUNTY RECORDER
By Shirley Keith
DEPUTY



NOTED FOR RECORD
JAN 1 1964

RECORDED FOR RECORD
JAN 1 1964

52,792

5850

I certify that I received and filed this instrument on this 30th day of March, 1973, at 9:5 o'clock A. M.

Charles E Hughes
COUNTY RECORDER

COUNTY RECORDER

BY Ha 2-02
DEPUTY

DEY 400

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner J. L. Kellogg
211 Central Ave.

Address HAMILTON MONTANA

Date well started JULY 8, 1966

completed JULY 11, 1966

Type of well drilled

Equipment used churn

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

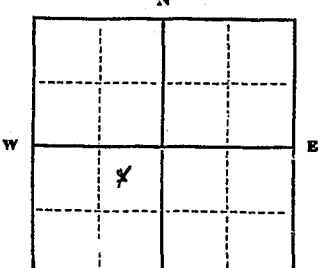
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
6" I.D. 6-5/8" OD	ground level	40' 6"		Kind Size From (Feet) To (Feet)
1/4" side wall				none none none
17 lbs.				



Let 7+8 Block 2
NE 1/4 Sec. 30
T. 4 N. R. 10 E
S. 8 W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Kenneth L. Williams

Driller's Address 1558 So. 5th. W. MISSOULA, MONTANA

LICENSE NO. 151

County Beauregard

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
GL	1'	top soil
1'	7'	tan clay, sand & gravel
7'	31'	water, silt, sand and scattered gravel
31'	34'	tan clay, sand and gravel
34'	38'	water and sand
38'	40' 6"	sand, gravel and water

40' 6" Show exact depth of bottom

49147

189191

J. S. Moore
COUNTY RECORDER
By *M. F. Keppel*
Feb 20 DEPUTY

By M. Keppel
Fee # 200

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Melvin Jacobson

Address HAMILTON MONTANA

Date well started July 4, 1971
completed July 5, 1971

Type of well Drilled

Equipment used Cable Tool

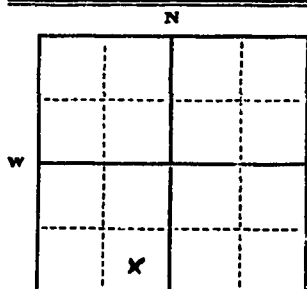
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☒

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	250 lb/ft 6 inch	0	35	NA		



Lot 7 Block B Big Sky area
S.E. 1/4 S.W. 1/4 Sec. 30
T. 6 N R. 23 E

Static water level 5 ft.*
Pumping water level 13 ft.*
at 40 gallons per minute,
measured 30 minutes after pumping
began.
*Measured from ground level.
Well developed by 2 1/2 hours.
Power 2 1/2 HP Pump 1/2 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) NA

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Melvin Jacobson

Driller's Address 509 N 7th ST

HAMILTON MONT

LICENSE NO. 194

County Beaumont

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground

(Elev. above s.a. level)

3525

From (Feet)	To (Feet)	
0	2	Top soil
2	21	Sand gravel - rock
21	32	Sand - slight clay
32	35	psa gravel and water

35 FT Show exact depth of bottom

48793

#5460

I certify that I received and filed this
Instrument on this 22nd
day of July 19 71 at 11:50
o'clock A. M.
F. S. Moore
COUNTY RECORDER
by Fee 2.00
DEPUTY

GW2

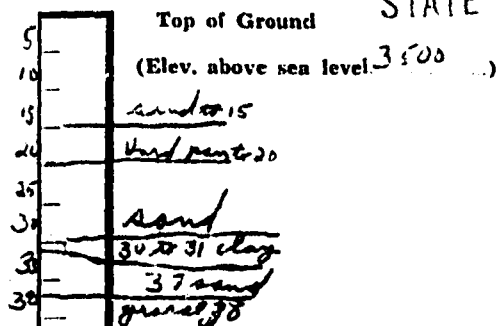
File No.

DUPLICATE

RECEIVED

County.

STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER C.
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Herb Johnson Address Hamilton Mont
Driller William Anderson Address Rt 1 Box 51 A Hamilton

Date of Notice of Appropriation of Groundwater

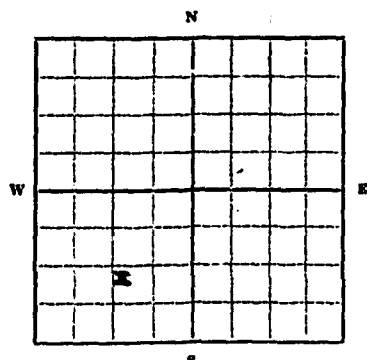
Date well started July 5 62 Date Completed July 8-62

Type of well drilled Equipment Used Churn drill
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 in	4 in 10.75 lb	03	38	none	none	none



SE 1/4 Sec 30 T. 6 R. 20

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 8 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 12 feet at 15 gal. per minute.Discharge in gal. per min. of flowing well 20How Tested pump Length of Test 48 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

33
Driller's License Number

Bill Anderson
Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1821

Probably filed in
County on July 18th 1954

1954

03

State House (1954) in Washington D.C.

File No.

T. 6 R. 20

DUPLICATE

County Paradise

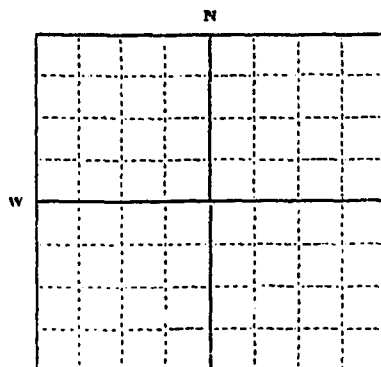
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Leon & Louise Hughes, of 115 Birch St. Hamilton
(Name of Appropriator) (Address) (Town)
County of Paradise State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 2 Skulls addition
1/4 Sec. 30 T. 6 R. 20

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based domestic and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been I don't know possibly 20 or 25 years ago
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 2 1/2 ac in Skulls addition
Hamilton grant
Leon & Louise Hughes
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater I don't know
8. The depth of water table 2.5 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1 - 2.5 ft drive well
10. The estimated amount of groundwater withdrawn each year I don't know 100,000
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Leon & Louise Hughes
Date 12-31-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

27333

#2525

I certify that I received and filed this
instrument on the 30th
day of Dec. 63 at 1:32
o'clock P.
F. B. Moore
COUNTY RECORDER
By Shirley Keith
DEPUTY

GW.

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T. 6R. 20

DUPLICATE

County Sanballi

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

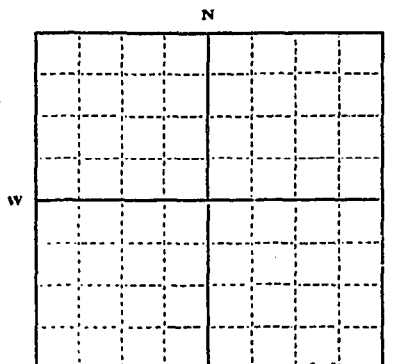
RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Leon Louise Hughes, of 115 Birch St Hamilton
(Name of Appropriator) (Address) (Town)
County of Sanballi State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 30 T. 6 R. 20

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based domestic and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 20 or 25 years year round

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
1/4 sec. Skunk's addition
Hamilton Mont
Leon Louise Hughes

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater I don't know

8. The depth of water table 2.5 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1 - 2.5 ft deep well

10. The estimated amount of groundwater withdrawn each year I don't know 100,000

11. The log of formations encountered in the drilling of each well if available not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Leon Louise Hughes
Date 12-30-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

27334

#2526

I certify that I received and filed this
instrument on this 30th
day of Dec. 63 at 1:38
o'clock P.
F. H. Moore
COUNTY RECORDER
By Shirley Keith
DEPUTY

File No.

MONTANA WATER
RECORDT. 20N R. 20W

TRIPLICATE

County Ravalli

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERTop of Ground
(Elev. above sea level Approx. 3640 ft.)

Formations Log:

- 0 - 1 Topsoil mixed with gravel.
- 1 - 11 Sand and gravel.
- 11 - 23 Tan silty sand and fine gravel.
- 23 - 27 Silty tan sand.
- 27 - 43 Silty sand and gravel mixed with clay.
- 43 - 62 Sand and gravel.
- 62 - 68 Gravel imbedded in tan clay.

Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

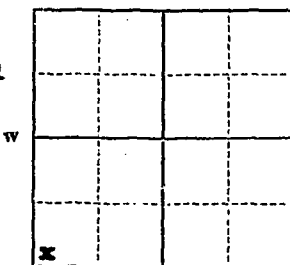
Owner G. E. and Myrtle E. Harbison Address Hamilton, MontanaDriller Liberty Drilling Co. Address Missoula, MontanaDate of Notice of appropriation of groundwater None filed.Date well started 2/23/70 Date completed 3/3/70Type of well Drilled Equipment used Cable tools
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Other ☒

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8 5/8" x 1/4"	+2	51	Johnson Wire Wound Screen w/continuous slot openings	50	62

A 7 5/8" tailpipe with solid closed bottom extends to 68 feet.

Water rises in the well 18 feet from surface.

Doc. No. 5244

Filed for record

this 13 day of MarchA. D. 19 70, at 2:35o'clock P.M.

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

has depended upon to produce clear sand free water year after year as long as they (Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Well in the NE portion of Lot 10 Block 3 Daly Acres, Ravalli County, Montana

Show exact depth of bottom.
Bottom of well 68 ft.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Static Water Level for non-flowing well 18 feet.Shut-in Pressure for Flowing Well Non-f.Pumping Water Level 39 feetat 200 gal. per minute.Discharge in gal. per min. of flowing well Non-flowingHow Tested Air Lift PumpLength of Test 5 1/2 hoursRemarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through slots in screen. Wells with screened completions in this area can52
Driller's License Number

Driller's Signature

16-25-2

are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 75 percent of the tested capacity of the aquifer.

I certify that I received and filed this

Instrument on this 13th
day of Mar, 19 20 at 2:35
o'clock P.M.

E. G. Moore
COUNTY RECORDER

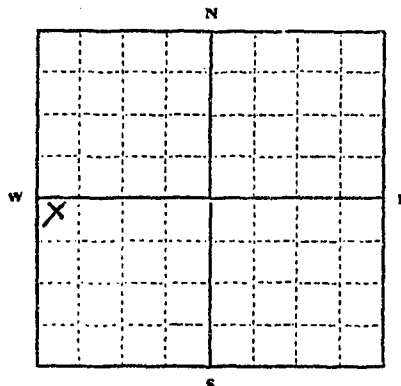
E. G. Moore
Deputy

5244

File No.

*Deep*T. *6 N. R. 20 W.*County *Ravalli*

JAN 17 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERDeclaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)1. *City of Hamilton*, of *Hamilton*
(Name of Appropriator) (Address)
County of *Ravalli* State of *Montana*
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SW 1/4 Sec. 30 T. 6 R. 20

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based *irrigation by sprinklers*
3. Date or approximate date of earliest beneficial use; and how continuous the use has been *March 1959 & since*
4. The amount of groundwater claimed (in miner's inches or gallons per minute) *40 gal. per min.*
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
The City Ball Park & surrounding area
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal *1 h.p. electrical pump.*

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *March 1959*
8. The depth of water table *14 ft.*
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
18 in. casing 32 ft. deep
10. The estimated amount of groundwater withdrawn each year *3,000,000 gal.*
11. The log of formations encountered in the drilling of each well if available
Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

City of Hamilton
Signature of Owner *By Frank Carl*
Date *12-30-63*

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

37649

4084

I certify that I received and filed this
instrument on this 31st
day of Dec., 1963, at 4:13
o'clock P.M.
F. H. Moore
COUNTY RECORDER
Shirley Keith
DEPUTY